

Colorado PUC Filings System

2019 DEMAND-SIDE MANAGEMENT ANNUAL STATUS REPORT

 *Xcel Energy*

**Electric and Natural Gas
Public Service Company of Colorado**

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Public Service Company of Colorado (“Public Service” or “the Company”) continues to provide customers the choices and the tools they need to make educated decisions about their electricity use. Public Service helps customers manage their energy consumption through one of the largest energy-saving program portfolios in the United States. These energy efficiency programs help customers save money, benefit all of Colorado by avoiding emissions, and reduce the Company’s need to purchase, produce, and deliver additional energy. The Demand-Side Management (“DSM”) portfolio continues to be cost-effective while delivering significant energy efficiency savings and demand reductions.

This 2019 DSM Annual Status Report summarizes the natural gas and electric energy efficiency achievements made in 2019. This report also explores the challenges and lessons learned from a diverse and varied portfolio of programs, products, and pilots designed to provide customers control of their energy use.

Report Highlights:

- **The electric DSM portfolio exceeded its energy efficiency goal.** In 2019, Public Service’s electric energy efficiency portfolio achieved energy savings of over 504 GWh, meeting the new energy efficiency goal of 500 GWh established by the Commission. This achievement surpassed 2018’s record-setting achievement for electric energy savings by more than 10 percent. This was accomplished at 89 percent of the filed budget. The natural gas portfolio achieved 102 percent of the target at 105 percent of budget.
- **A total of 257,439 tons of carbon dioxide (“CO2”) were avoided in 2019 through the natural gas and electric DSM achievements.** Additionally, more than 3.3 million tons of CO2 emissions will be avoided over the lifetime of the installed measures. In terms of energy saved, the greatest contributors were Home Lighting & Recycling, Lighting Efficiency, Lighting – Small Business, and New Construction. The electric and natural gas portfolios also avoided 252,078 tons of sulfur oxide (“SOx”) emissions in 2019, with expected lifetime emissions reduction of over 2 million tons.
- **Lighting programs continued to contribute to the majority of the electric energy savings achievements.** Lighting programs contributed more than 54 percent of the energy savings realized in 2019. This is a significant decline from 66 percent in 2018.
- **The Energy Efficiency portfolio was cost-effective; the Low-Income Program was also cost-effective.** Both the Residential Program and Business Program were cost-effective. The Low-Income Program showed significant improvement from 2018 concerning cost-effectiveness as demonstrated by a Modified Total Resource Cost (“MTRC”) ratio of 1.06.
- **New products and pilots expanded customer choice.** The Company operated a Geo-targeting pilot in 2019 to explore the effectiveness of targeted deployment of DSM resources in deferring the need for investment in a new distribution transformer and associated feeder upgrades. The Company also began building the operational framework for several pilots including Residential Battery Demand Response and Charging Perks offer customers more opportunities to participate in Company’s Demand Response Program. Pilots are expected to launch in 2020.

Looking ahead, the Company will continue to offer more cost-effective choices for customers in an effort to help Coloradans exceed their energy, climate, and sustainability goals. The Company takes pride in its environmental leadership and commitment to managing customer bill impacts responsibly. These achievements also exemplify the Company’s commitment to customers and communities by providing a wide variety of choices to meet the diverse energy needs of Coloradans.